CLAIMS

- A document management system, the system comprising:
 a physical-document monitoring device comprising:
 a document coupling device,
- a sensor coupled to the document coupling device, the sensor operable to sense a state of a document and to generate a signal representative thereof, and

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a computer coupled to sensor, the computer operable to determine a document state based on the signal.

- 2. The system of claim 1, wherein the document coupling device is operable to bind a document.
- 3. The system of claim 1, wherein the document state comprises the number of document pages.
 - 4. The system of claim 3, wherein the sensor comprises the document coupling device.
- 5. The system of claim 4, wherein the sensor senses the number of pages based on capacitance.
 - 6. The system of claim 1, wherein the document state comprises an environmental condition of a document.
 - 7. The system of claim 6, wherein the environmental condition comprises illumination.

- 8. The system of claim 1, further comprising a wireless communication device coupled to the computer, the wireless communication device operable to send data from and receive data for the computer.
- 5 9. The system of claim 8, wherein the sent data comprises the determined document state.
 - 10. The system of claim 8, wherein the received data comprises state data for a non-physical version of a document.
 - 11. The system of claim 10, wherein the received data comprises document meta-data.
- 12. The system of claim 11, wherein the document meta-data is received in the form of a text string.

- 13. The system of claim 8, wherein the received data comprises a document location.
- 20 14. The system of claim 8, wherein the received data comprises an allowable document state.
 - 15. The system of claim 14, wherein the allowable document state comprises a rule that expresses the allowable document state.
 - 16. The system of claim 1, wherein the computer is further operable to determine whether an allowable document state has been violated.
- 17. The system of claim 1, further comprising a display device operable to provide a visual indication of physical document status.

- 18. The system of claim 1, further comprising a user input device.
- The system of claim 18, wherein the computer is further operable to
 generate a wireless message to signify that activation of the user input device has occurred.
 - 20. A method for document management at a physical document, the method comprising:
- sensing a state of a document;

 generating a signal representing the document state;

 determining the document state based on the signal; and
 generating a wireless signal representing the document state.
- 15 21. The method of claim 20, further comprising coupling a physical-document monitoring device to the document.
 - 22. The method of claim 21, wherein coupling comprises binding the document.

- 23. The method of claim 20, wherein the document state comprises the number of document pages.
- 24. The method of claim 23, wherein sensing a state of a document comprises sensing an electrical value affected by a dielectric.
 - 25. The method of claim 20, wherein the document state comprises the location of the document.

- 26. The method of claim 20, wherein the document state comprises an environmental condition of the document.
- The method of claim 20, further comprising receiving document metadata.
 - 28. The method of claim 20, further comprising receiving state data for a non-physical version of a document.
- 10 29. The method of claim 20, further comprising: receiving an allowable document state; and storing the allowable document state.
- 30. The method of claim 20, further comprising determining whether an allowable document state has been violated.
 - 31. The method of claim 20, further comprising providing a visual indication of physical document status.
- 20 32. The method of claim 20, further comprising:
 detecting activation of a user input device; and
 generating a wireless signal to report the activation.
- An article comprising a machine-readable medium storing instructions
 operable to cause one or more machines to perform operations comprising:

 determining whether a state of a document has been sensed;
 determining the document state; and
 generating a wireless message representing the document state.

- 34. The article of claim 33, wherein the document state comprises the number of document pages.
- 35. The article of claim 34, wherein determining a document state comprises determining an electrical value affected by a dielectric.
 - 36. The article of claim 33, wherein the document state comprises the location of the document.
- 10 37. The article of claim 33, wherein the document state comprises an environmental condition of the document.

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- 38. The article of claim 33, wherein the instructions are further operable to cause one or more machines to perform operations comprising determining whether document meta-data has been received.
- 39. The article of claim 33, wherein the instructions are further operable to cause one or more machines to perform operations comprising determining whether state data for a non-physical version of a document has been received.
- 40. The article of claim 33, wherein the instructions are further operable to cause one or more machines to perform operations comprising:
 - determining whether an allowable document state has been received; and storing the allowable document state.
- 41. The article of claim 33, wherein the instructions are further operable to cause one or more machines to perform operations comprising determining whether an allowable document state has been violated.

- 42. The article of claim 33, wherein the instructions are further operable to cause one or more machines to perform operations comprising determining a visual indication of physical document status.
- 5 43. The article claim 33, wherein the instructions are further operable to cause one or more machines to perform operations comprising:

determining whether activation of a user input device has occurred; and generating a wireless message to report the activation.

10 44. A document management system, the system comprising:

a document tracking device, the document tracking device operable to:

store non-physical versions of documents and state data for physical versions of documents, and

manage access to the non-physical document versions and the state

15 data.

- 45. The system of claim 44, wherein the state data comprises the number of pages of a physical version.
- 20 46. The system of claim 44, wherein the state data comprises the location of a physical version.
 - 47. The system of claim 44, wherein the state data comprises an environmental condition of a physical version.

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48. The system of claim 44, wherein the document tracking device is further operable to:

determine whether a physical version state has been received; and if a physical state has been received, update the state data.

- 49. The system of claim 44, wherein the one or more memory locations are further operable to store state data for the non-physical versions.
- 50. The system of claim 49, wherein the document tracking device is further 5 operable to:

determine whether a state change has occurred to a non-physical version of a document:

determine whether the non-physical version has an associated physicaldocument monitoring device; and

10 if the physical version has an associated physical-document monitoring device, initiate a message representing the state change.

- 51. The system of claim 44, wherein the one or more memory locations are further operable to store meta-data for the documents.
- 52. The system of claim 44, wherein the document tracking device is further operable to:

receive a physical document registration request; determine if an associated non-physical document exists; and associate the non-physical version with a physical-document monitoring

- 53. The system of claim 44, wherein the one or more memory locations are further operable to store allowable states for the physical versions.
- 54. The system of claim 53, wherein the document tracking device is further operable to:

determine whether a message regarding an allowable state of a physical version has been received; and

30 if the message has been received, store the allowable state.

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device.

- 55. The system of claim 53, wherein the document tracking device is further operable to generate a message for a physical-document monitoring device regarding an allowable state for a physical version.
- 56. The system of claim 53, wherein the states are expressed in the form of rules.
- 57. The system of claim 53, wherein the document tracking device is further operable to determine whether a message indicating that an allowable state has been violated has been received.
 - 58. The system of claim 53, wherein the document tracking device is further operable to determine whether an allowable state has been violated based on a received state.
 - 59. The system of claim 44, wherein the document tracking device comprises: memory to store the non-physical versions of documents and the state data for physical versions of documents;
- a document management engine to manage access to the non-physical versions of documents; and
 - mediators to manage access to the state data of the physical versions of documents.
- 25 60. The system of claim 44, wherein the document tracking device is further operable to:
 - receive a signal indicating that an input device of a physical-document monitoring device has been activated; and
 - alter the editing rights of an electronic version of the associated document.

- 61. A method for document management, the method comprising:
 storing non-physical versions of documents;
 receiving state data for physical versions of the documents;
 associating the state data with the appropriate non-physical versions; and managing access to the non-physical versions and the state data.
- 62. The method of claim 61, wherein the state data comprises the number of pages of a physical version.
- 10 63. The method of claim 61, wherein the state data comprises the location of a physical version.
 - 64. The method of claim 61, wherein the state data comprises an environmental condition of a physical version.

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- 65. The method of claim 61, further comprising storing state data for the non-physical versions of the documents.
- 66. The method of claim 65, further comprising:

 determining whether a state change has occurred to a non-physical version of a document;

determining whether the non-physical version has an associated physical-document monitoring device; and

- if the non-physical version has an associated physical-document monitoring device, initiating a message representing the state change.
 - 67. The method of claim 61, further comprising:
 receiving a physical document registration request;
 determining if an associated non-physical document exists; and

associating the non-physical version with a physical-document monitoring device.

- 68. The method of claim 61, further comprising storing allowable states for physical versions of the documents.
 - 69. The method of claim 68, further comprising receiving a message regarding a physical version allowable state.
- 10 70. The method of claim 68, further comprising generating a message for a physical-document monitoring device regarding an allowable state for a physical version of a document.
 - 71. The method of claim 68, further comprising:
- determining whether a message indicating that an allowable state has been violated has been received; and

if such a message has been received, associating the message with a nonphysical version and storing a notification of the violation.

- The method of claim 68, further comprising determining whether an allowable state has been violated based on a received state.
 - 73. The method of claim 61, further comprising:

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receiving a signal indicating that an input device of a physical-document monitoring device has been activated; and

- altering the editing rights of an electronic version of the associated document.
- 74. An article comprising a machine-readable medium storing instructions operable to cause one or more machines to perform operations comprising:

storing non-physical versions of documents;

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determining whether state data for physical versions of the documents has been received;

associating the state data with the appropriate non-physical versions; and managing access to the non-physical versions and the state data.

- 75. The article of claim 74, wherein the state data comprises the number of pages of a physical version.
- 10 76. The article of claim 74, wherein the state data comprises the location of a physical version.
 - 77. The article of claim 74, wherein the state data comprises an environmental condition of a physical version.
 - 78. The article of claim 74, wherein the instructions are further operable to cause machines to perform operations comprising storing state data for the non-physical versions of the documents.
- 79. The article of claim 78, wherein the instructions are further operable to cause machines to perform operations comprising:

determining whether a state change has occurred to a non-physical version of a document;

determining whether the non-physical version has an associated physical-document monitoring device; and

if the non-physical version has an associated physical-document monitoring device, initiating a message representing the state change.

80. The article of claim 74, wherein the instructions are further operable to cause machines to perform operations comprising:

determining whether a physical document registration request has been received;

determining if an associated non-physical document exists; and
if an associated non-physical version exists, associating the non-physical
version with a physical-document monitoring device.

- 81. The article of claim 74, wherein the instructions are further operable to cause machines to perform operations comprising storing allowable states for physical versions of the documents.
- 82. The article of claim 81, wherein the instructions are further operable to cause machines to perform operations comprising determining whether a message regarding a physical version allowable state has been received.
- 15 83. The article of claim 81, wherein the instructions are further operable to cause machines to perform operations comprising generating a message for a physical-document monitoring device regarding an allowable state for a physical version of a document.
- 20 84. The article of claim 81, wherein the instructions are further operable to cause machines to perform operations comprising:

determining whether a message indicating that an allowable state has been violated has been received; and

- if such a message has been received, associating the message with a nonphysical version and storing a notification of the violation.
 - 85. The article of claim 81, wherein the instructions are further operable to cause machines to perform operations comprising determining whether an allowable state has been violated based on a received state.

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86. The article of claim 74, wherein the instructions are further operable to cause machines to perform operations comprising:

determining whether a signal indicating activation of an input device of a physical-document monitoring device has been received; and

altering the editing rights of an electronic version of the associated document.